

# The Road for Nanomaterials Industry: A Review of Carbon Nanotubes, Post-Treatment, and Bulk Applications for Composite

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Carbon Nanotubes: An Example of Multiscale Development—A Mechanistic View from the Subnanometer to the Meter Scale. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9372-9387.	7.2	38
2	Aligned Carbon Nanotube/Silicon Sheets: A Novel Nano-architecture for Flexible Lithium Ion Battery Electrodes. <i>Advanced Materials</i> , 2013, 25, 5109-5114.	11.1	232
3	Fast and accurate computational modeling of adsorption on graphene: a dispersion interaction challenge. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18815.	1.3	61
4	Facile Synthesis of Hierarchical Networks Composed of Highly Interconnected $V_{2}O_{5}$ Nanosheets Assembled on Carbon Nanotubes and Their Superior Lithium Storage Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 12394-12399.	4.0	75
6	Robust growth of herringbone carbon nanofibers on layered double hydroxide derived catalysts and their applications as anodes for Li-ion batteries. <i>Carbon</i> , 2013, 62, 393-404.	5.4	46
7	In Situ Monitoring the Role of Working Metal Catalyst Nanoparticles for Ultrahigh Purity Single-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2013, 23, 5066-5073.	7.8	27
8	Carbon nanotubes in emulsion-templated porous polymers: Polymer nanoparticles, sulfonation, and conductivity. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4369-4377.	2.5	27
10	Electrospun Nanomaterials: Biotechnology, Food, Water, Environment, and Energy. <i>Conference Papers in Materials Science</i> , 2013, 2013, 1-14.	0.1	11
11	Three-Dimensional Porous Architectures of Carbon Nanotubes and Graphene Sheets for Energy Applications. <i>Frontiers in Energy Research</i> , 2014, 2, .	1.2	14
12	Hierarchical carbon-nanotube/quartz-fiber films with gradient nanostructures for high efficiency and long service life air filters. <i>RSC Advances</i> , 2014, 4, 54115-54121.	1.7	28
13	Hierarchical Vine-Tree-Like Carbon Nanotube Architectures: In Situ CVD Self-Assembly and Their Use as Robust Scaffolds for Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2014, 26, 7051-7058.	11.1	104
14	Doping effects of manganese on the catalytic performance and structure of NiMgO catalysts for controllable synthesis of multi-walled carbon nanotubes. <i>Journal of Energy Chemistry</i> , 2014, 23, 781-788.	7.1	16
15	Nickel sulfide/graphene/carbon nanotube composites as electrode material for the supercapacitor application in the sea flashing signal system. <i>Journal of Marine Science and Application</i> , 2014, 13, 462-466.	0.7	24
16	Supramolecular Assemblies of Nucleoside Functionalized Carbon Nanotubes: Synthesis, Film Preparation, and Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 5397-5402.	1.7	10
17	Characterization of Exposure to Carbon Nanotubes in an Industrial Setting. <i>Annals of Occupational Hygiene</i> , 2015, 59, 586-99.	1.9	16
18	Recent Advances in Carbon Nanotube-Based Enzymatic Fuel Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 45.	2.0	75
19	Microtubes made of carbon nanotubes. <i>Carbon</i> , 2014, 68, 818-820.	5.4	23
20	Fabrication of carbon nanotube-nickel nanoparticle hybrid paste electrodes for electrochemical sensing of carbohydrates. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 459-466.	4.0	33

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22	Spaser Made of Graphene and Carbon Nanotubes. <i>ACS Nano</i> , 2014, 8, 2431-2438.	7.3	52
23	Emerging double helical nanostructures. <i>Nanoscale</i> , 2014, 6, 9339-9354.	2.8	40
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25	Upcycling waste plastics into carbon nanomaterials: A review. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	216
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27	Nanoarchitected Graphene/CNT@Porous Carbon with Extraordinary Electrical Conductivity and Interconnected Micro/Mesopores for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2014, 24, 2772-2781.	7.8	495
28	Recent Advances in the Stabilization of Platinum Electrocatalysts for Fuel-Cell Reactions. <i>ChemCatChem</i> , 2014, 6, 26-45.	1.8	174
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31	Aligned carbon nanotube/sulfur composite cathodes with high sulfur content for lithium-sulfur batteries. <i>Nano Energy</i> , 2014, 4, 65-72.	8.2	366
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37	CaH <sub>2</sub> -assisted low temperature synthesis of metallic magnetic nanoparticle-loaded multiwalled carbon nanotubes. <i>Chemical Communications</i> , 2014, 50, 6866.	2.2	9
38	Flux and surfactant directed facile thermal conversion synthesis of hierarchical porous MgO for efficient adsorption and catalytic growth of carbon nanotubes. <i>CrystEngComm</i> , 2014, 16, 308-318.	1.3	26

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39	Direct Voltammetric Determination of Redox-Active Iron in Carbon Nanotubes. <i>ChemPhysChem</i> , 2014, 15, 3819-3823.	1.0	6
40	Controlled Syntheses of Various Palladium Alloy Nanoparticles Dispersed in Single-Walled Carbon Nanohorns by One-Step Formation Using an Arc Discharge Method. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 4732-4738.	1.8	15
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56	Spin-orbit effects in carbon nanotubes - Analytical results. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	12

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58	Three-dimensional aluminum foam/carbon nanotube scaffolds as long- and short-range electron pathways with improved sulfur loading for high energy density lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2014, 261, 264-270.	4.0	86
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77	Advances in mechanisms and signaling pathways of carbon nanotube toxicity. <i>Nanotoxicology</i> , 2015, 9, 658-676.	1.6	128
78	Fluidized-bed CVD of unstacked double-layer templated graphene and its application in supercapacitors. <i>AIChE Journal</i> , 2015, 61, 747-755.	1.8	48
79	Effects of nanotube size and roof-layer coating on viscoelastic properties of hybrid diamond-like carbon and carbon nanotube composites. <i>Carbon</i> , 2015, 86, 163-173.	5.4	11
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81	Nitrogen-doped herringbone carbon nanofibers with large lattice spacings and abundant edges: Catalytic growth and their applications in lithium ion batteries and oxygen reduction reactions. <i>Catalysis Today</i> , 2015, 249, 244-251.	2.2	48
82	Pathologic and molecular profiling of rapid-onset fibrosis and inflammation induced by multi-walled carbon nanotubes. <i>Archives of Toxicology</i> , 2015, 89, 621-633.	1.9	87
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101	Rational recipe for bulk growth of graphene/carbon nanotube hybrids: New insights from in-situ characterization on working catalysts. <i>Carbon</i> , 2015, 95, 292-301.	5.4	18
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112	Dithiafulvenyl-grafted phenylene ethynylene polymers as selective and reversible dispersants for single-walled carbon nanotubes. <i>Chemical Communications</i> , 2015, 51, 149-152.	2.2	20
113	Catalysts for chirality selective synthesis of single-walled carbon nanotubes. <i>Carbon</i> , 2015, 81, 1-19.	5.4	106
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121	A Carbon" Sulfur Hybrid with Pomegranate"like Structure for Lithium" Sulfur Batteries. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1343-1347.	1.7	17
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127	In vivo activation of a T helper 2-driven innate immune response in lung fibrosis induced by multi-walled carbon nanotubes. <i>Archives of Toxicology</i> , 2016, 90, 2231-2248.	1.9	34
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